UNIVERSITY OF CAMBRIDGE DEPARTMENT OF HISTORY AND PHILOSOPHY OF SCIENCE

FREE SCHOOL LANE CAMBRIDGE CB2 3RH TEL :01223 334540(334556)

FAX:01223 334554

Professor Michael Redhead FBA Chairman of Department

21.1.96

Doar Gran Carlo, I have now had time to return to your letter of 6th Documber and would like to offer the following Comments. Here are two enreally distinct roadings of oM-LOC! (1) There is the reading which problems on the left from affecting measurement sutcomes de right. This is a case by case varsion of the probabilistic parameter Thus is the reading which is actually upd in the derivation of of (FR-200) X independence, P.I.

and hence the denial of OH-LOE in this sense can indeed block the derivation of 7 (ER-Loc) as one all agrees. (2) But there is a logically stronger sense that probibits not only getting to - normal effects at also space-like separation, but also result - to - result effects (14. negult - to - result effects (14.) d case by case worked Now it is amaid for the logical start that structure of your engagement that for weaklest you was logically weaklest versus of DH-we that is nomeny for the result & to hold. of you use a stronger poision that recessary, you cannot infor that a failure of this stronger version of this stronger version of the decedation of TER-Log. That is just a matter of straight of ofice. Now in your discussion of the relation between OH- we and B- we, you are all

the time using the stronger version
by off reprite to the granter of whatter the outcomes of the two measurements Referring to my premions Cotton
dated 5th November, 9 was always influence one another. using the weath vorsion of off-low, and for that yoursen, I maintain that my discursion of the proflematics of deining OM-LUC D B- LOC was correct. I would like now to deal with your Example 3, in which you dain that OM-Luc > P.I., requires a No Comparacy Marython. By some rule to tos, then she is inducing a place-solution on the random sequence generated my Bob. 96 this actual the limiting frequency of Boh's reports, this wood contradict the randowness

of Bob's pagner. But if Bob's Against really is random, this coold not happen! Hy you agree with the points in this letter, then I suggest the best way forward word to see follows: I endose a copy of a revised version of the paper with La Rivière, which I thereto Jummerizes my considered point of wew on this vital gustion of a correct rolativistic formulation of the EPR argument. I have been asked by Both Cohen whether I would Consider contributing this paper to the Shimony Fost schuff he is editing. I would be happy to do this, and then you could raise additional points and commonts on Studies of farther submersion to Studies in History and Mulosofty of Modern Physics. I would play no part in the. eddered direction of guch a pubmission,

fut would leave this for jeromy to sort out you. lem fited from, our discussions of this With very Test wester Michael P.S. 9 should add in ideaten your discussion of why the wishers B OM-Loe w loss serious, then The veolation of ER-we from d relativisher potent of moin, that you again use the strong worsion B gM-Lde, inten you talk, for example, of a violation of oM-loe-due to a violation of O.I."

